

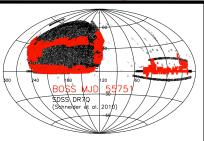
Nicholas P. Ross

(Berkeley Lab)

Baryon Oscillation Spectroscopic Survey 1.5million 0.3<z<0.7 galaxies 150,000 z>2.2 Quasars H(z), D_A from BAO to 1% at z<0.7 First measurement of BAO at z~2.5 2009-2014

for the SDSS-III Quasar Working Group

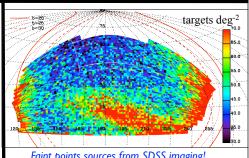
"Early Results from BOSS DR9"



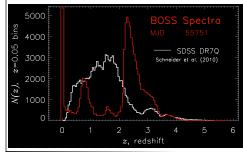
 $10,200 \text{ deg}^2 \text{ total}$ 3,420 deg² in hand!



1105.0606v1



Faint points sources from SDSS imaging! The Sagittarius Stream is nice! There are z>2 quasars in here (but where?!)



[4.6] - [12] in mag

SDSS-III DR9

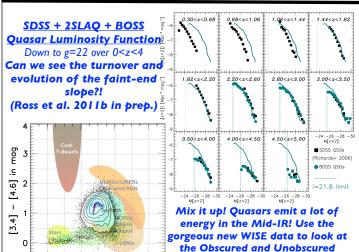
800,000 spectra 90,000 quasars

60,000 z>2

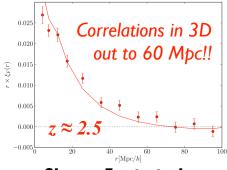
Public July 2012

AGN populations - links to

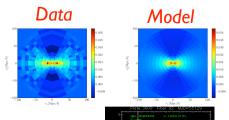
GALAXY EVOLUTION!!!



Clustering in the Ly\(\alpha\) Forest



Slosar, Font et al. arXiv:1104.5244v1



A typical **BOSS** quasar spectrum!

